

Converting Colors

XYZ(67.6500, 56.6813, 11.7264)

Have a look what the booklet for
XYZ(67.6500, 56.6813, 11.7264)
contains.

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Color

**XYZ(56.8348, 51.1020,
11.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAC3D
RGB	255, 172, 61
RGB Percent	100%, 67%, 24%
CMY	0.0000, 0.3255, 0.7608
CMYK	0.00, 0.33, 0.76, 0.00
HSL	34°, 100%, 62%
HSV	34°, 76%, 100%
XYZ	56.8348, 51.1020, 11.2830
YIQ	184.1630, 85.0990, -16.9250

Conversions

Conversions Part 2

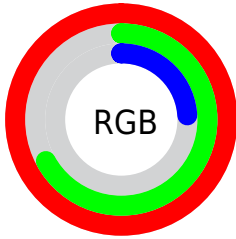
Format	Color
R _Y B	206, 255, 61
Decimal	16755773
CIE Lab	76.74, 21.49, 65.96
CIE LCh	77, 69.372, 71.950
Yxy	51.1020, 0.4767, 0.4286
Android (android.graphics.Color)	4294945853 (0xFFFFAC3D)
YUV	184.1630, -60.7194, 62.1240
Hunter-Lab	71.4857, 16.8168, 40.6819

Details

The XYZ color **56.8348, 51.1020, 11.2830** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.9471, 28.1572, 98.4634**, and the grayscale version is **45.9437, 48.3364, 52.6383**.

A 20% lighter version of the original color is **71.8036, 77.4360, 27.3818**, and **28.7088, 24.7704, 3.2680** is the 20% darker color. If you saturate the color by 10%, you get **54.3126, 46.9083, 7.8212**, and if you desaturate by 10%, it is **59.8559, 55.7723, 16.5212**.

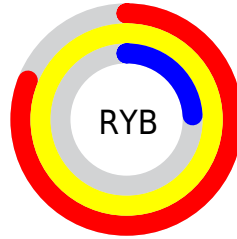
Distribution



Red (100%)

Green (67%)

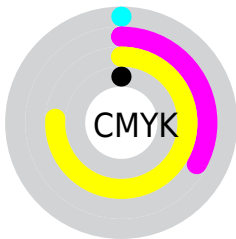
Blue (24%)



Red (81%)

Yellow (100%)

Blue (24%)

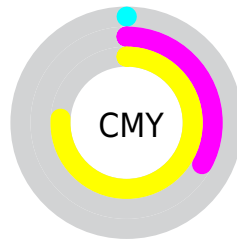


Cyan (0%)

Magenta (33%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8348, 51.1020, 11.2830 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.8348, 51.1020, 11.2830 by changing the saturation by 10% instead.


 56.8348, 51.1020,
11.2830

 56.8348, 51.1020,
11.2830


402.8542,
390.9599, 210.4056

 41.1122, 36.2898,
6.1410


 99.3569, 91.8055,
28.8269

 28.5949, 24.6581,
2.8608


 126.8871,
118.4656, 42.0659


 18.9173, 15.8225,
1.0240


 159.0839,
149.8438, 58.8409

 11.7142, 9.3986,
0.0000

 196.3126,
186.3245, 79.5705

 6.6202, 5.0021,
0.0000

 238.9387,
228.2921, 104.6732

 3.2699, 2.2485,
0.0000

287.3274,

 1.2981, 0.7462,

276.1309, 134.5676

0.0000

341.8441,
330.2254, 169.6722

■ 0.1818, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8348, 51.1020,
11.2830

■ 56.8348, 51.1020,
11.2830

■ 54.3126, 46.9083,
7.8212

■ 59.8559, 55.7723,
16.5212

■ 52.2311, 43.1549,
5.8641

■ 63.4173, 60.9355,
23.7495

■ 51.5046, 41.7898,
5.3516

■ 67.5589, 66.6159,
33.1540

■ 72.3153, 72.8333,
44.8986

■ 77.7178, 79.6057,
59.1310

■ 83.7954, 86.9506,
75.9869

■ 90.5752, 94.8839,
95.5919

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9092, 51.1020, 19.9129



56.8348, 51.1020, 11.2830



43.5209, 51.1020, 10.6085

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.8348, 51.1020, 11.2830



27.7944, 51.1020, 72.0241



67.5117, 51.1020, 128.7503

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.8348, 51.1020, 11.2830



29.9471, 28.1572, 98.4634

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.9972, 51.1020, 160.8189



56.8348, 51.1020, 11.2830



32.0872, 51.1020, 119.4507

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.8348, 51.1020, 11.2830



28.2772, 51.1020, 36.0837



41.1496, 51.1020, 156.8058



76.7986, 51.1020, 81.2319

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8348, 51.1020, 11.2830



36.3808, 51.1020, 14.0375



41.1496, 51.1020, 156.8058



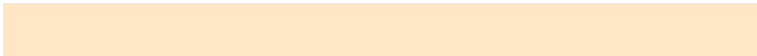
63.2188, 51.1020, 142.4871

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.8360, 51.1046, 11.2840



79.5153, 81.8047, 64.0326



48.0247, 26.6441, 29.4273



16.5694, 16.9583, 12.4794



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8360, 51.1046, 11.2840



53.2371, 45.0076, 6.6894



73.2427, 90.7453, 18.0707



18.8723, 19.7128, 18.9546



27.0637, 22.1387, 2.8468



2.7436, 2.3725, 0.3133

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.9471, 28.1572, 98.4634



25.3890, 21.3751, 97.3954



22.5379, 12.0111, 95.7374



17.6419, 18.6555, 22.9210



12.4350, 9.7797, 50.6668



1.3165, 1.1637, 4.9685

Previews

White Background



This preview shows how the XYZ color 56.8348, 51.1020, 11.2830 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.8348, 51.1020, 11.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8348, 51.1020, 11.2830

Background



This preview shows how black text looks on a background with the XYZ color 56.8348, 51.1020, 11.2830.



This preview shows how white text looks on a background with the XYZ color 56.8348, 51.1020,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.8348, 51.1020, 11.2830

Protanopia

46.5482, 51.2173, 12.5868

Deuteranopia

52.3449, 51.1251, 11.1123



Tritanopia

62.2533, 50.9061, 47.1022

Trichromacy



Original Color

56.8348, 51.1020, 11.2830

Protanomaly

49.8538, 50.7311, 12.0150

Deuteranomaly

53.8198, 50.9931, 11.1437

Tritanomaly

59.3618, 50.6187, 29.1959

Monochromacy



Original Color

56.8348, 51.1020, 11.2830

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.5598, 48.2082, 31.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8348, 51.1020, 11.2830 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 172, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 172, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 61) }
```

Border

The CSS property to change the border of an element to XYZ 56.8348, 51.1020, 11.2830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 172, 61) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 172, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 172, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8348, 51.1020, 11.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
172, 61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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